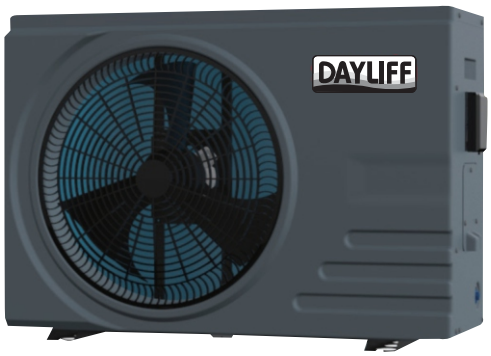
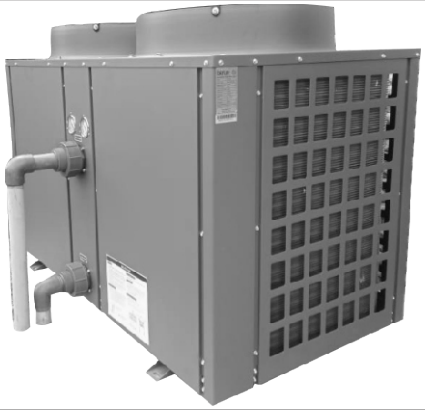
Heat Pumps





Most swimming pools are not useable throughout the year especially during the cold weather and therefore heating is required. A particularly effective solution is a Dayliff Heat Pump that utilises energy from two sources, heat from the ambient air and electric power to run a compressor in a reverse refrigeration cycle, the compression process extracting heat from the ambient air for transfer to the pool through a heat exchanger. The models are highly efficient operating at a Coefficient of Performance (COP), which is the ratio of energy output to direct energy input of up to a range 7-15 units, depending on environmental conditions.

The advanced SPI inverter controlled models feature DC inverter technology which provides variable heat outputs from 20% to 100% of capacity. They are more economical to run compared to fixed capacity alternatives as the heat output is automatically varied according to requirements to maintain a set temperature.

The models include an integral controller and durable weatherproof housing suitable for outdoor installation. For optimal performance it is recommended that a pool cover is used to reduce heat dissipated through evaporation.
Particular features include:-

- High efficiency, low noise Mitsubishi compressor that uses environmentally friendly R32 refrigerant
- Advanced dual coil titanium heat exchanger for long corrosion free life
- Remote controller to set temperature up to 40°C with digital system settings and fault indicators with WiFi enabled remote control
- Built in protection for low water flow, high and low pressure and electrical overload
- Fully automatic and simple to install on the filter return to pool pipe with minimum plumbing and electrical connections
- All models suitable for reverse cooling configuration

The Dayliff range of heat pumps are robust and efficient units that are the ideal solution for cost effective swimming pool heating in a variety of conditions.

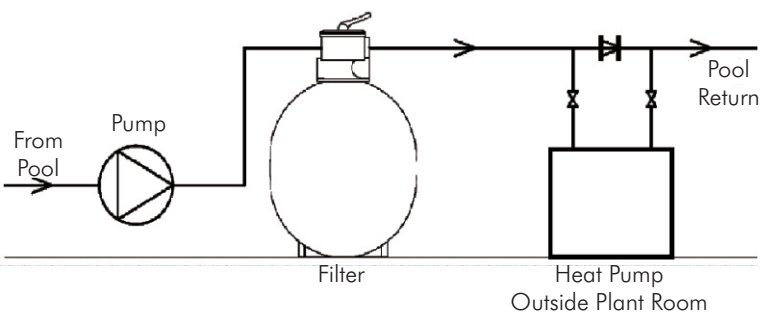
OPERATING CONDITIONS

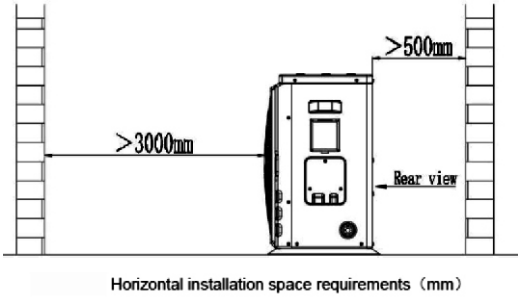
Heating Temp Range: 15°-40°C ***Insulation Class:*** IPX4 ***Min/Max Operating Pressure:*** 0.2/4.4 Bar

PUMP DATA & DIMENSIONS

Model	Heating Capacity		Max Input Power (kW)	Current Max (A)	Voltage (V)	Max Flow m^3/hr	Pool Capacity m^3	Dimensions (mm)			Weight (kg)
	Output, kW	COP Range						L	W	H	
SPI-170	4-17	7-16	0.3-2.5	12	1x240	5.5	40-70	900	400	650	65
SPI-280	7-28		0.5-4.2	19		9	80-140	1056	416	744	85
SPI-700	17-70		1-10	26	3x415	20	150-250	1416	752	1055	280

*Performance values given at Air 26°C, Water 26°C and Humidity 80%.





Horizontal installation space requirements（mm）